



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Attorney Docket No. 03248.00038

PATENT

In the Application of:)
Mulligan et al.)
Serial No. 10/005,084) Examiner: (TBA)
Filed: December 4, 2001) Art Unit: 1774
For: Aligned Composite Structures for Mitigation)
of Impact Damage and Resistance to Wear In)
Dynamic Environments)

Commissioner for Patents
Washington DC 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. Section 1.97-1.98, applicants wish to make the following references of record in the above/identified application. Copies of the references cited below are enclosed. The references also are listed on the enclosed and completed Form PTO/SB/08A. The references listed below were cited in an International Patent Office Search Report dated February 25, 2003 (copy enclosed) in the corresponding International Application No. PCT/US02/38804, and from International Search Reports dated February 28, 2003 and March 6, 2003 (copies enclosed) from co-pending applications (Serial No. 10/005,656, and 10/005,683) both of which are directed to similar subject matter as the present application. These references may be material to the patentability of the presently pending claims.

This Information Disclosure Statement is filed under 37 C.F.R. § 1.97(b) before the mailing of a first Office Action on the merits. Accordingly, it is believed there is no fee due for filing this Information Disclosure Statement. Additionally, this Information Disclosure

Statement is filed under 37 C.F.R. § 1.97(e) and contains information first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS.

REFERENCES

U.S. Publications

- | | | | |
|----|-------------|-----------------|--------------------|
| 1. | 20020237384 | Mulligan et al. | September 12, 2002 |
| 2. | 20020154741 | Rigali et al | October 24, 2002 |

U.S. Patents

- | | | | |
|----|-----------|---------------|-------------------|
| 3. | 5,053,092 | Lachman | October 1, 1991 |
| 4. | 5,398,193 | Deangelis | May 14, 1995 |
| 5. | 5,588,997 | Lysson et al. | December 31, 1996 |
| 6. | 5,679,157 | Milliman | October 21, 1997 |

Other Prior Art - Non Patent Literature Documents

7. PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).
8. PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).
9. PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).

Please charge any fees or credit any overpayment associated with this paper to Deposit Account No. 19-0733.

Respectfully submitted
BANNER & WITCOFF, LTD.

March 27, 2003



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Application Number	10/005,084
Filing Date	December 4, 2001
First Named Inventor	Mulligan et al.
Group Art Unit	1774
Examiner Name	TBA
Attorney Docket Number	03248.00038

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Filing Date: December 4, 2001
First Named Inventor: Anthony C. Mulligan, et al.
Group Art Unit: 1774
Examiner Name: Not Yet Assigned
Attorney Docket No. 03248.00038

10/005,084

1. Transmittal (in duplicate)
2. Supplemental Information Disclosure Statement
3. PTO/SB/08A form
4. 6 references
5. 3 International Search Reports dated February 25, 2003, February 28, 2003, and March 6, 2003
5. Return Post Card

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